

**Specification CHUM TUBE LURE****Title of Invention CHUM TUBE LURE**

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Assignee: Not-applicable small entity status

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**~~References Cited~~****~~U.S. Patent Documents~~**

~~5,155,947 Rivard 10/1992~~

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## **CHUM TUBE LURE**

### **BACKGROUND OF THE INVENTION**

This invention relates to fishing lures and in particular to a method and apparatus for the controlled release of a chum slick or fish oil attractant over the fishing lure being trolled. The loading, holding and controlled release of the chum slick or fish oil attractant is not part of the fishing lure, it is the chum tube in front of the fishing lure. The fishing lure is attached to the chum tube with a barrel swivel causing the lure to rotate when trolled with a chum slick or fish oil attractant flowing over the lure.

~~A fishing lure as described in U.S. Pat. No. 5,155,947, issued October 20, 1992 to David J. Rivard, is one in which the fishing lure has an internal cavity into which fish attractant is introduced through an entry aperture. When the lure is being trolled, water enters through the entry aperture, flows through the internal cavity and disperses out through an exit aperture flushing out a small amount of fish attractant with it. A baffle located within the internal cavity controls flushing of the fish attractant.~~

In the prior art the fishing lure was used to load, hold and release the fish attractant. This limited the fisherman to one lure, where on many days depending on time of day, water temperature and fishing depth some lures work and others do not. Even with the fish attractant there is no guarantee a particular lure will work under all circumstances.

### **SUMMARY OF THE INVENTION**

In accordance with the present invention a Chum Tube Lure apparatus and method is provided for catching fish by line and reel. The Chum Tube Lure is comprised of a chum tube and lure with means for distributing chum or fish oil over the lure to attract fish.

The chum tube is attached to the lure using a barrel swivel to allow the lure to rotate independent of the chum tube. The head of the chum tube has an eye at the top, to attach the Chum Tube Lure to line and reel for trolling the Chum Tube Lure through the water. The eye at the top of the chum tube head aids in trolling the chum tube upright while the lure attached with a barrel swivel is allowed to rotate freely. The chum tube head has a hole at the bottom of the head just below the eye and is angled up to the center of the head at the back end. The hole is for loading the chum or fish oil into the chum tube. When the Chum Tube Lure is trolled, the hole allows water to flow through the chum tube distributing the fish oil or attractant out the back of the chum tube over the lure to attract fish. The hole in the lead head angled up allows the chum tube lure to be trolled deeper.

In accordance with a further feature of the invention a manila rope comprises means to control the release of the fish attractant. A three-inch long piece of manila rope floats inside the chum tube. The manila rope is used to absorb the fish oil and slow or control the process of spreading the chum slick or fish oil attractant.

In accordance with a further feature of the invention a 3/4-inch long piece of dowel comprises means to plug the back end of the chum tube for holding the fish oil attractant. A hole through the dowel is offset from the center of the dowel to aid the manila rope in release of the fish oil attractant from the chum tube and to aid the barrel swivel in rotating the lure erratically to attract fish.

The wire line from the chum tube connects to one end of a barrel swivel and the other end to the lure. Water flows through the chum tube releasing the fish attractant over and around the lure to simulate live bait.

In accordance with a further feature of the invention a hole in the head of the chum tube is angled to provide a deeper dive and trolling depth. The trolling depth is also controlled by the weight of the head and type of line attached to the reel i.e. wire line, lead line or monofilament line.

### **BRIEF DESCRIPTION OF THE DRAWINGS**

Other and further features of the invention will become apparent in connection with the accompanying photos wherein:

**FIG. 1** is a photo illustrating a line and reel fishing system embodying the chum tube lure invention;

**FIG. 2** is a photo illustrating a partial assembled chum tube comprising a lead head, manila rope, wood dowel, wire, wire chumps, barrel swivel and tube;

**FIG. 3** is a photo illustrating a side view of the lead head;

**FIG. 4** is a photo illustrating a top view of the lead head;

**FIG. 5** is a photo illustrating a bottom view of the lead head;

**FIG. 6** is a photo illustrating the three-inch long piece of manila rope;

**FIG. 7** is a photo illustrating a  $\frac{3}{4}$  inch wood dowel with an offset hole;

**FIG. 8** is a photo illustrating a partial assembled tube eel comprising wood dowel, wire, wire chumps, barrel swivel, tube and fishhook;

### **DESCRIPTION OF THE PREFERRED EMBODIMENT**

Referring now to **FIG. 1** illustrating a line and reel fishing system **10** embodying the chum tube **14** lure **16**. The chum tube **14** lure **16** is comprised of a chum tube **14** with a tube **42** eel as a lure **16** attached. When the chum tube **14** eel lure **16** is trolled, the hole **12** at the bottom and front of lead head **11** attached to tube **33** allows water to flow

through tube 33 distributing the fish oil attractant out the back of the chum tube 14 and over the tube 42 eel or lure 16 to attract fish.

Referring to FIGS. 1, 2, 3 and 8, a piece of manila rope 32 floats inside tube 33 to absorb the fish oil to slow or control the process of spreading the fish oil attractant. A piece of wood dowel 36 with a hole 35 offset from the center is used to seal the back end of tube 33 and allows the wire 34 line from the lead head 11 eye 30 to be used to attach the lure 16 using a barrel swivel 15. The wood dowel 36 also controls the release of the fish oil attractant. The hole 12 in the lead head 11 angled up front to back to force a deeper dive when trolled through the water. The hole 12 in the lead head 11 is also used to load the chum tube 14 with fish oil attractant. Line 18 from the reel 19 is attached to the eye 13 on the front and top of the chum tube 14 lead head 11 by tying the line 18 directly or by a wire snap attached to the line 18 from the reel 19. The eye 13 at the top of the lead head 11 also aids in trolling the chum tube 14 upright through the water to release the fish oil attractant without having the chum tube 14 rotate. The wire 34 line from the chum tube 14 is attached to the wire 41 line from the tube 42 eel lure 16 with a barrel swivel 15 for a Chum Tube 14 Lure 16. The wire 34 line from the Chum Tube 14 is crimped 37 to one end of the barrel swivel 15 and the other end crimped 40 to the wire 41 from the tube 42 eel lure 16. The barrel swivel 15 allows the tube 42 eel lure 16 to rotate when trolled through the water. A second piece of wood dowel 36 with a hole 35 offset from the center is also used to seal the front end of the tube 42 eel lure 16. The wood dowels 36 with offset holes 35 cause the tube 42 eel lure 16 to swing erratically simulating a wounded eel or fish.

Referring to FIG. 2, 3, 4, and 5 a partially assembled chum tube 14 shown comprising

the components that make up a chum tube **14**. Features of the lead head **11** show the hole **12** for loading and distributing the fish oil attractant. The hole **12** angled up front to back is to force a deeper dive. The two eyes **13, 30**, one to attach the fishing line **18** and the other to attach the wire **34** line that runs through the tube **33** to the barrel swivel **15**.

Referring to **FIG. 2 and 6**, the view of the manila rope **32**. When the tube **33** is assembled the three-inch long piece of manila rope **32** is not attached, it floats in the tube **33**. The manila rope **32** absorbs some of the fish oil and the rest is used to fill the tube **33**. The manila rope **32** is used for a controlled release of the fish oil over a longer period of time.

Referring to **FIG. 2, 7 and 8**, are the view of the wood dowel **36**, tubes **33, 42**, wires **34, 42** and barrel swivel **15**. The 3/4-inch long piece of wood dowel **36** is used to seal the back end of the tube **33** holding the fish oil inside the tube **33**. A hole **35** in the wood dowel and the manila rope **32** control the release of the fish oil. A wire **34** line from the lead head **11** is routed through the tube **33** and wood dowel **36** to connect to one end of a barrel swivel **15**. The other end of the barrel swivel **15** connects to the lure **16**. The hole **35** in the wood dowel **36** is offset from the center of the dowel **36** to aid in rotating the lure erratically.

Referring to **FIG. 2 and 3** the view of the lead head **11**, eye **30**, wire **34** and crimp **31**. The wire **34** is threaded through the eye **30** at the bottom and rear of the lead head **11** twisted over and crimped **31**. This Crimp **31** has the same breaking strength as the wire **34**.

Referring to **FIG. 2, 7 and 8**, a partially assembled eel tube **42** lure **16**. The wire **41** at the back end is crimped **43** to a fishhook **17** and threaded through the tube **42**. At the

other end a wood dowel **36** with a hole **35** offset from the center is used to seal the front end of the eel tube **42** lure **16**. The wire **41** from the front end is crimped **40** to one end of a barrel swivel **15** and the other end is crimped **37** to the wire **34** from the tube **33**.

The assembled tube **33** and assembled eel tube **42** make a chum tube **14** lure **16**.

This concludes the description of the preferred embodiment. However, many modifications and alterations will be obvious to one of ordinary skill in the art without departing from the spirit and scope of the inventive concept. For example a chum tube **14** can be used with a second wood dowel **36** in place of the lead head **11** for the lightest chum tube **14**. A barrel snap can be used in place of the eye **12** on the top front of the lead head **11** and the fish oil attractant loaded through a larger hole **35** in the second wood dowel **36**. The barrel swivel **15** at the back end of the chum tube **14** is used to attach the lure **16**. Therefore, it is intended that the scope of this invention be limited only by the appended claims.